SERVICE MANUAL

# Force EZ™-C Series Electrosurgical Generator

## Schematics Supplement

# Schematics Contents


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The **Force EZ™-C Series Electrosurgical Generator Service Manual** consists of two parts - the text (part 1 of 2) and this Schematics Supplement (part 2 of 2) which contains the schematics.

**Valleylab Part Number:** 1002836 (2 of 2)

Valleylab™
*Innovations That Work*

tyco Healthcare

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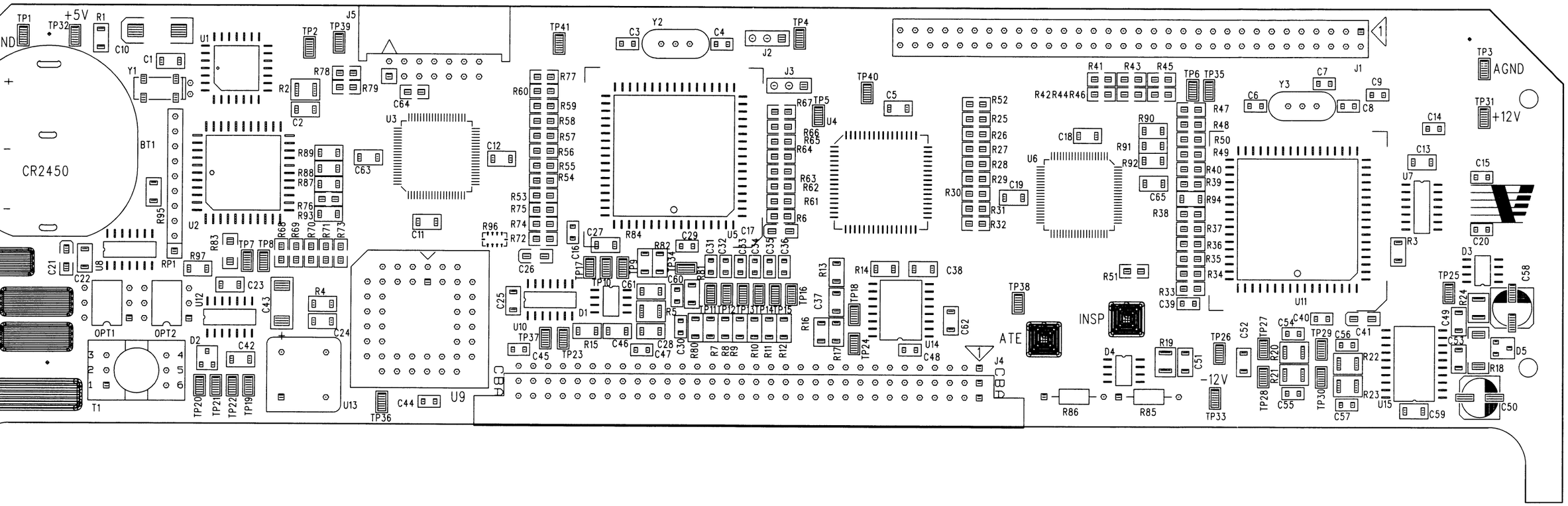
# Board Drawings and Schematics

This supplement contains the assembly drawings and schematics for the following printed circuit boards:

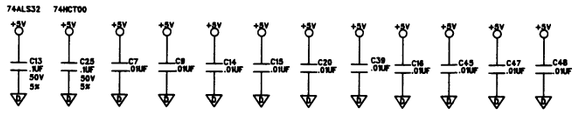
- Effect mode controller
- Display board
- Footswitch board
- Power Supply/RF board

Valleylab

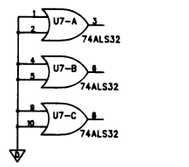


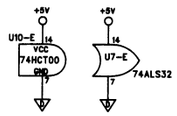

**Effect Mode Controller Assembly**

BYPASS CAPS :




SPARES:

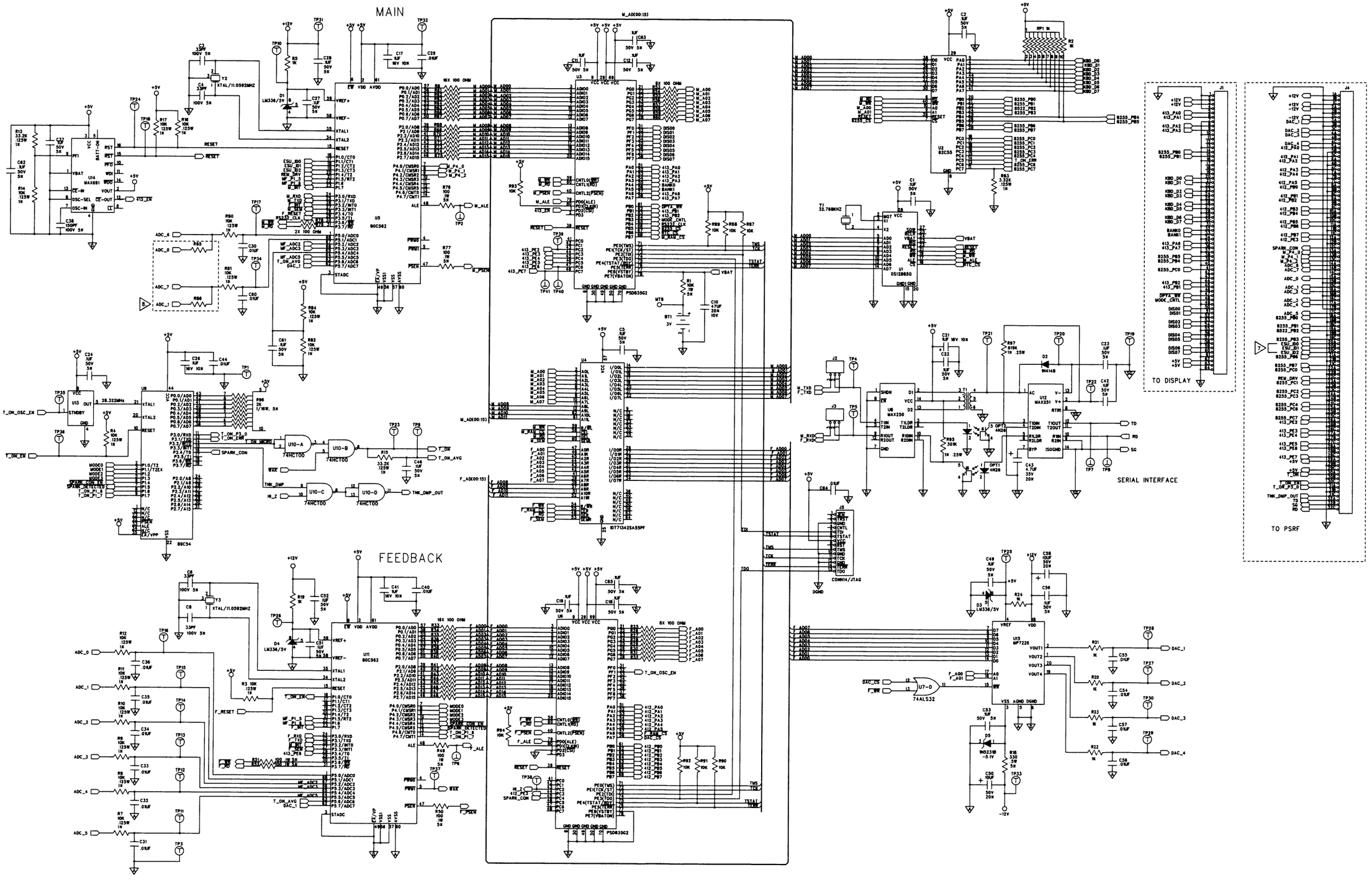


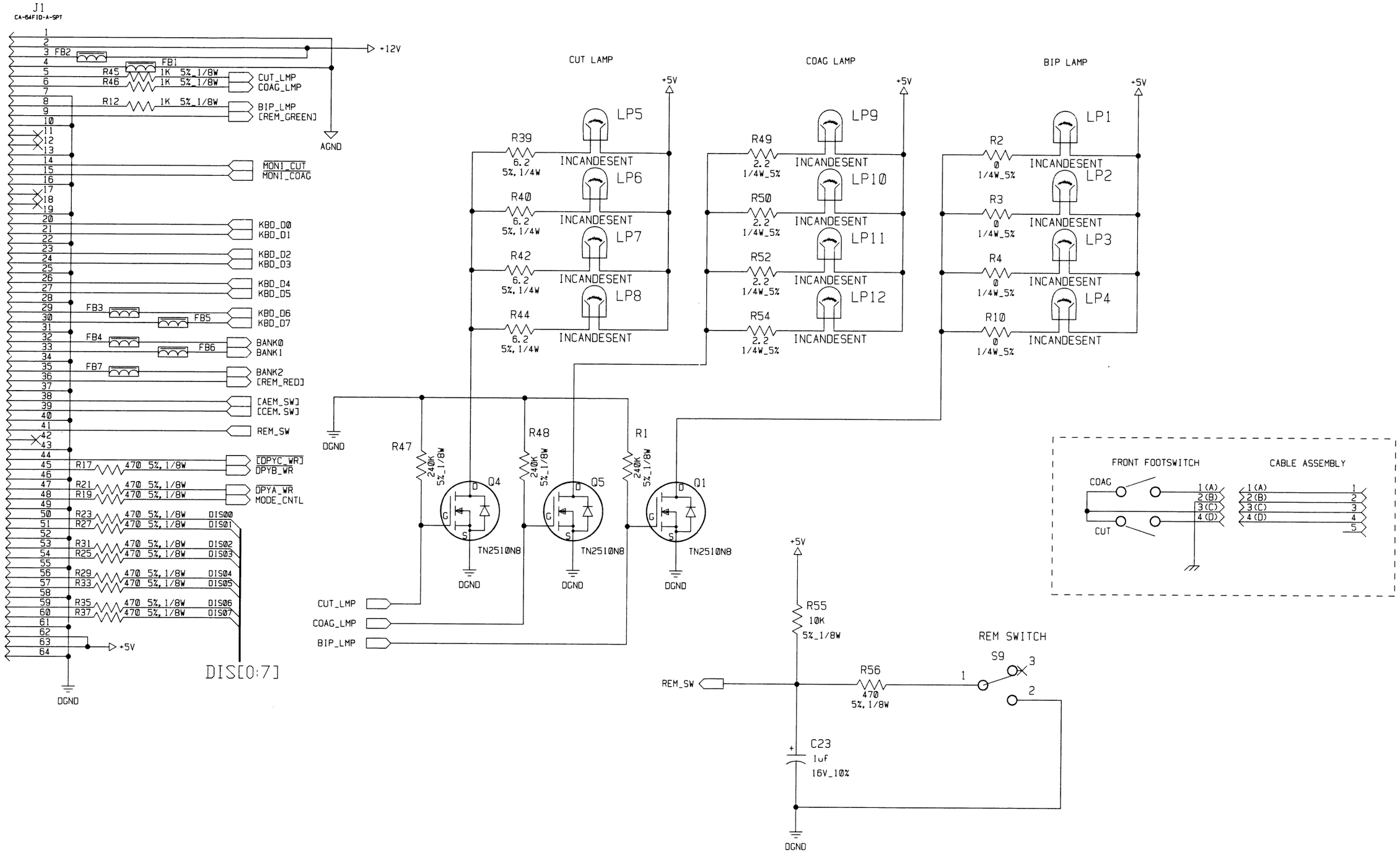

## SIGNAL CROSS-REFERENCE CHART

| SIGNAL \ PRODUCT | FEZ |
|---|---|
| M_P4_0 (U5) | REMPOT_INC\ |
| M_P4_1 (U5) | REMPOT_U\D |
| M_P4_2 (U5) | REMPOT_CS\ |
| 413_PA0 (U3) | CUT_LMP |
| 413_PA1 (U3) | COAG_LMP |
| 413_PA2 (U3) | BIP_LMP |
| 413_PA3 (U3) | REM_GREEN |
| 413_PA5 (U3) | BANK1 |
| 413_PA6 (U3) | BANK2 |
| 413_PA7 (U3) | REM_RED |
| 413_PB1 (U3) | _DPYB_WR |
| 413_PB2 (U3) | _DPYC_WR |
| 413_PE2 (U3) | _UPTONE |
| 413_PE3 (U3) | _LGTONE |
| 413_PE4 (U3) | ALARM |
| 413_PE5 (U3) | REM_EN |
| 413_PE6 (U3 & U11) | DOS_ERR\ |
| 413_PE7 (U3) | ISO_TST |
| | |
| 412_PA0 (U6) | MON_RLY |
| 412_PA1 (U6) | BIP_RLY |
| 412_PA2 (U6) | MONO2_RLY |
| 412_PA3 (U6) | MONO1_RLY |
| 412_PA4 (U6) | CUT_RLY |
| 412_PA5 (U6) | EKG_RLY |
| 412_PB0 (U6) | V_RLY_0 |
| 412_PB1 (U6) | V_RLY_1 |
| 412_PB2 (U6) | V_RLY_2 |
| 412_PB3 (U6) | V_RLY_3 |
| 412_PB4 (U6) | I_RLY_0 |
| 412_PB5 (U6) | I_RLY_1 |
| 412_PB6 (U6) | I_RLY_2 |
| 412_PB7 (U6) | I_RLY_3 |
| 412_PE3 (U6) | CAP_RLY |

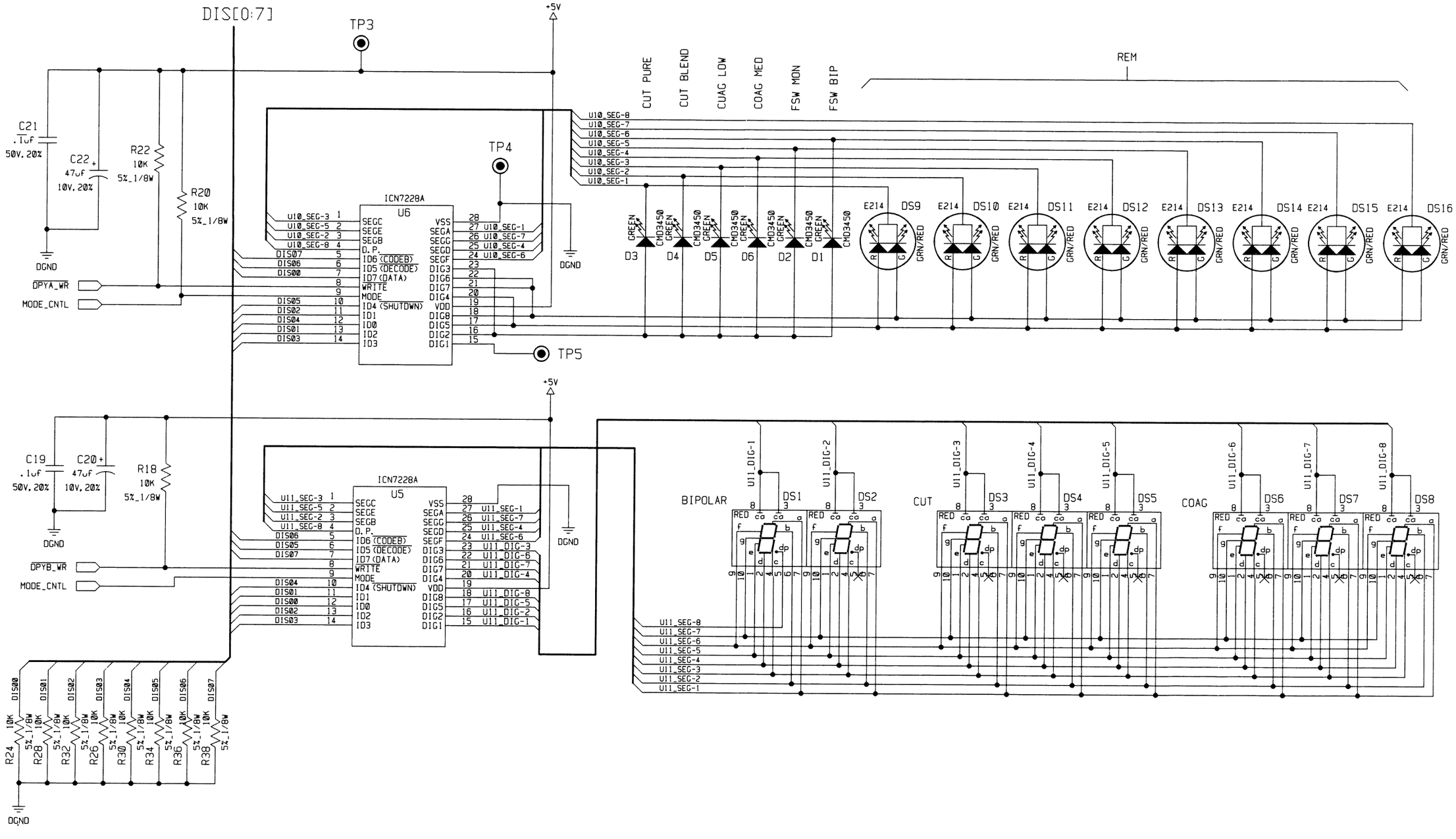
**lode Controller- Sheet 1 of 2**



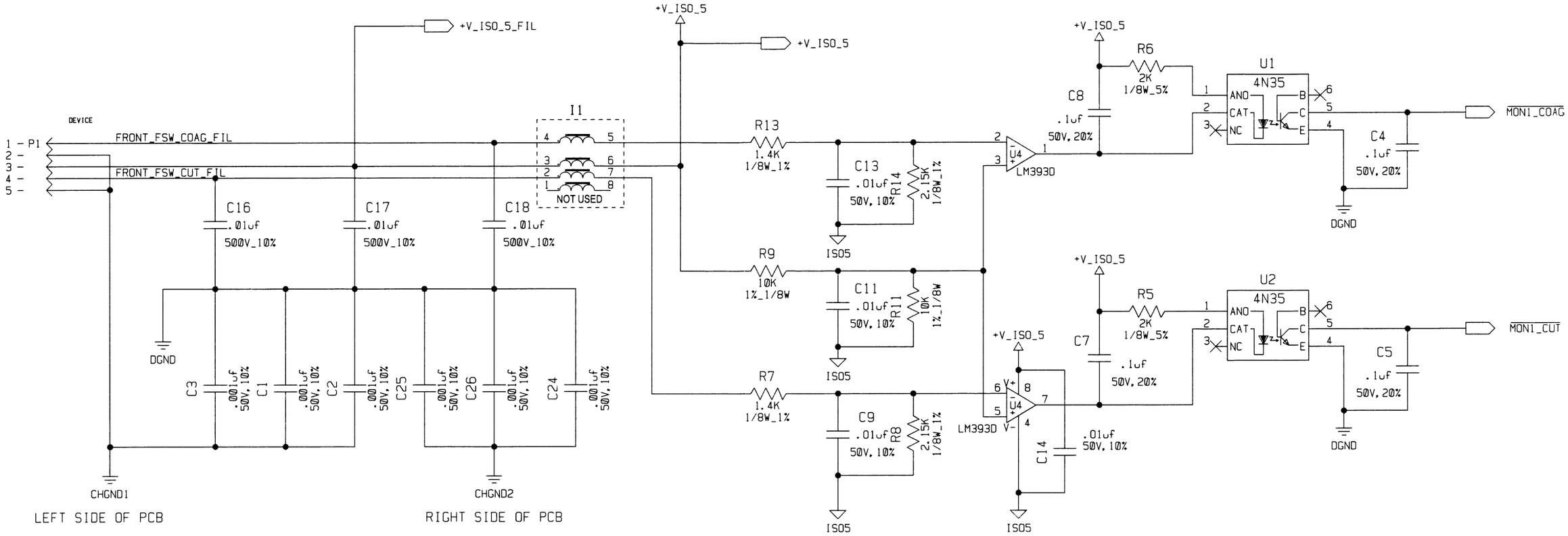

**Effect Mode Controller - Sheet 2 of 2**

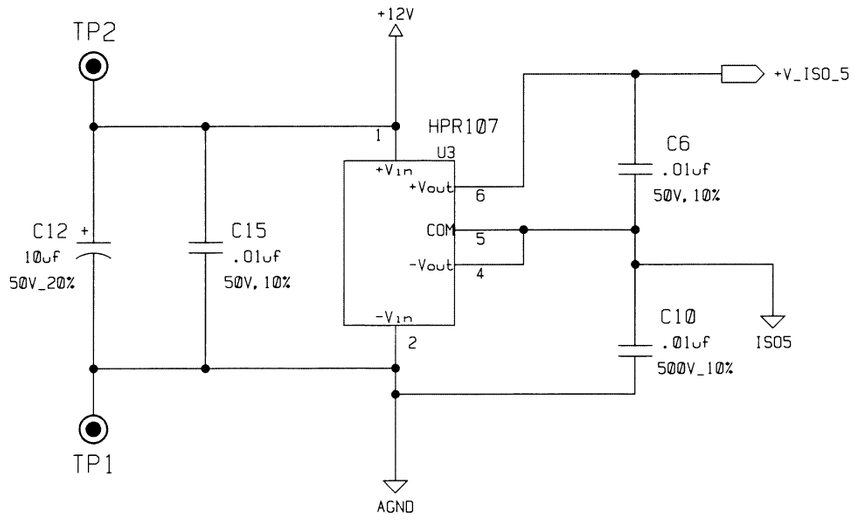



**Board Schematic - Sheet 1 of 4**




**Display Board Schematic - Sheet 2 of 4**

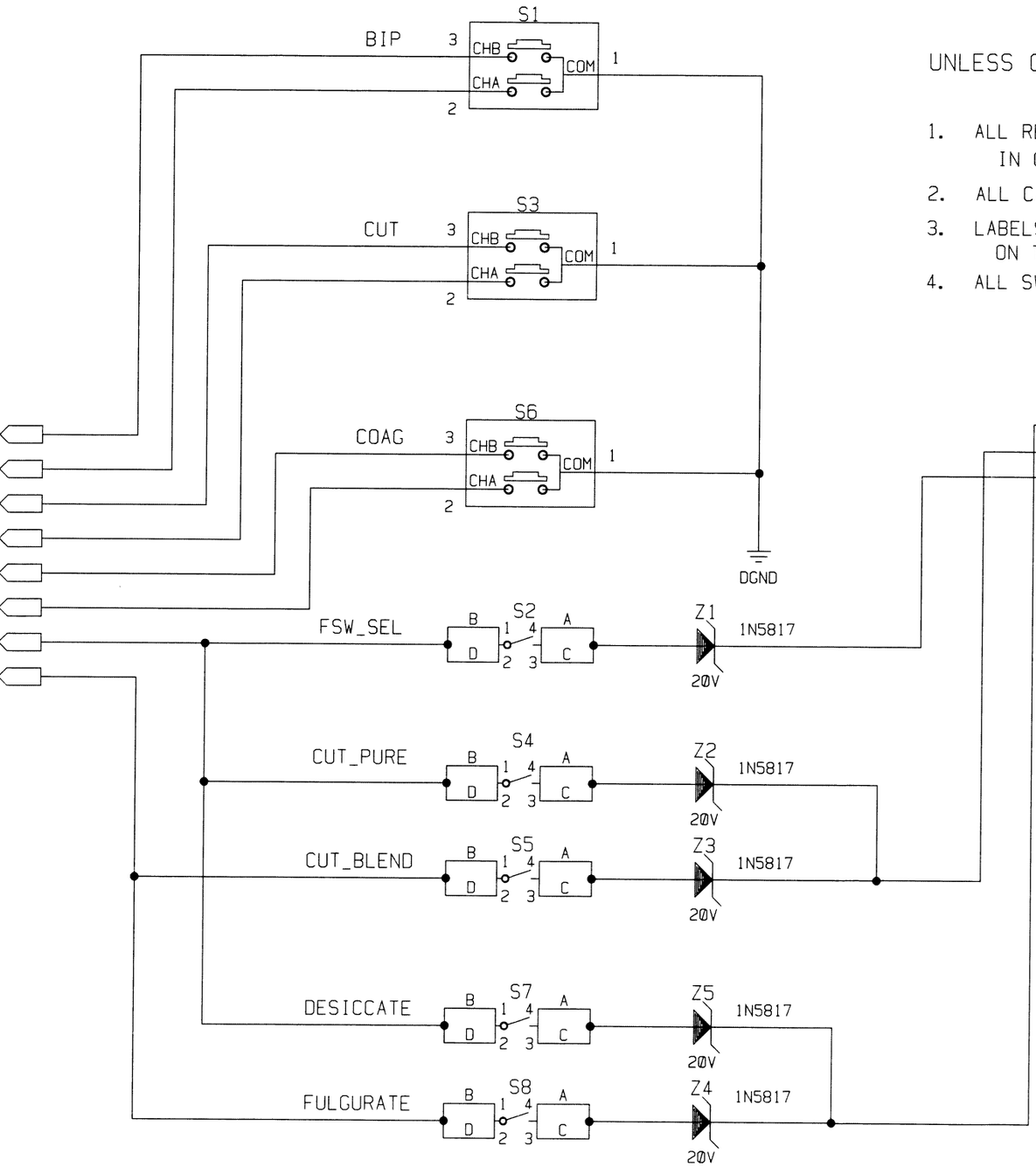


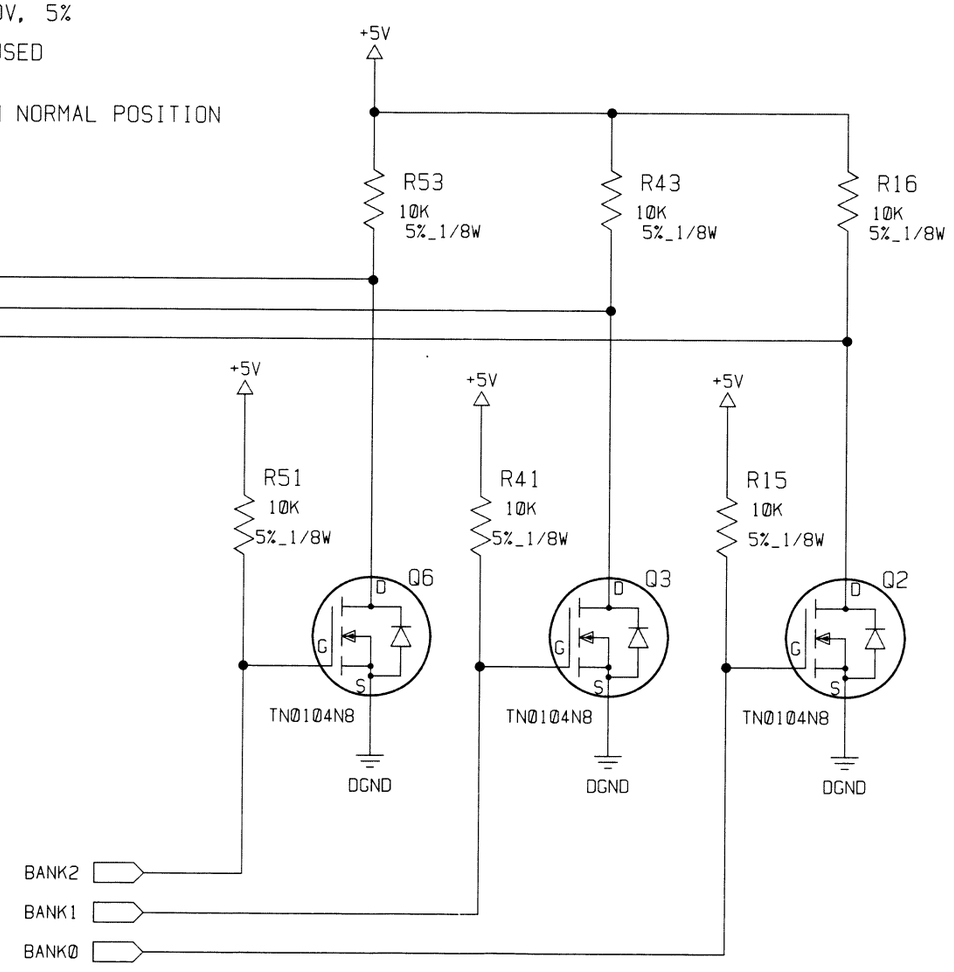




**Board Schematic - Sheet 3 of 4**

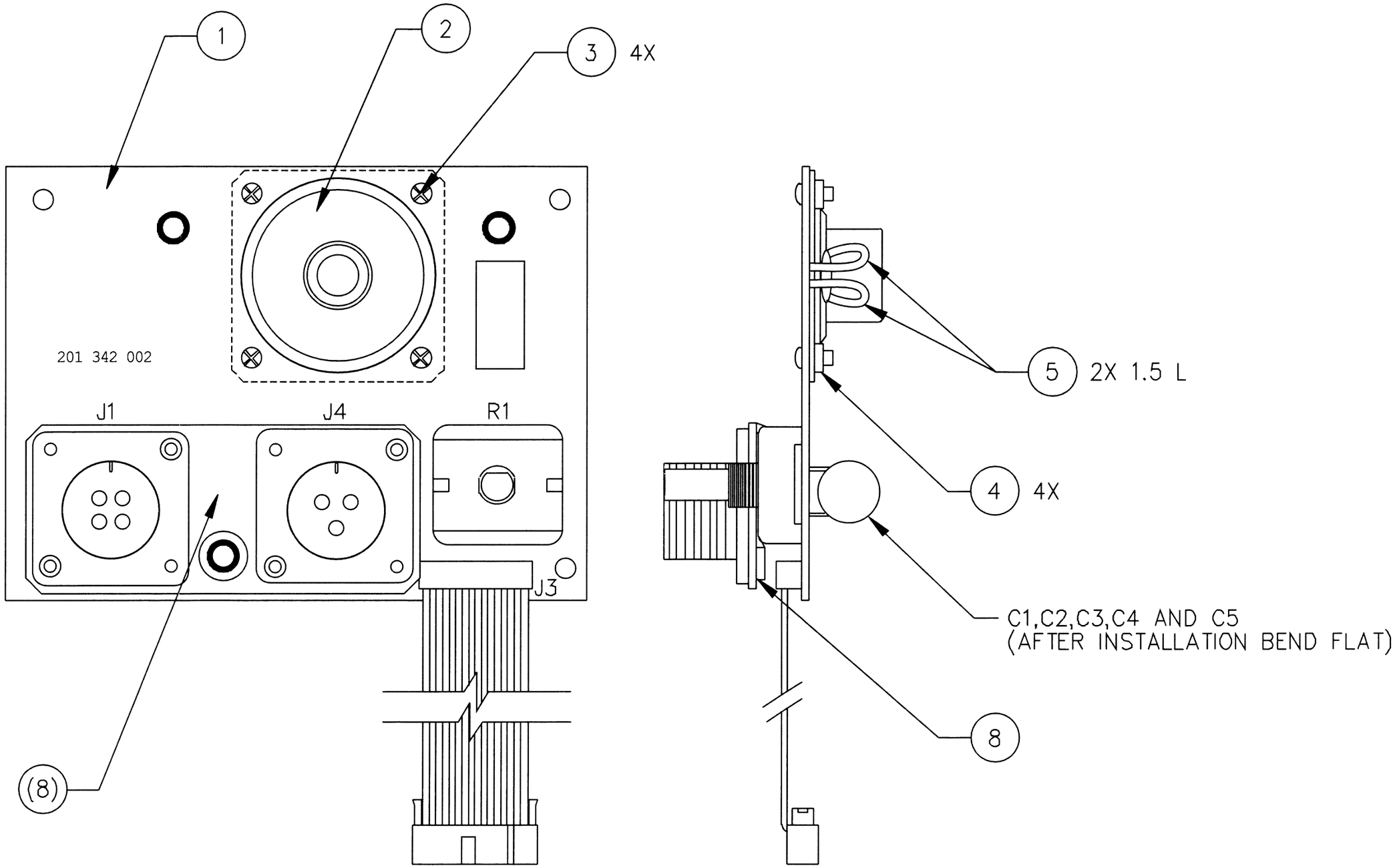
UNLESS OTHERWISE SPECIFIED:

1. ALL RESISTOR VALUES ARE IN OHMS, 1/8W, 5%
2. ALL CAPACITORS ARE 50V, 5%
3. LABELS IN [ ] ARE UNUSED ON THIS PCB
4. ALL SWITCHES SHOWN IN NORMAL POSITION

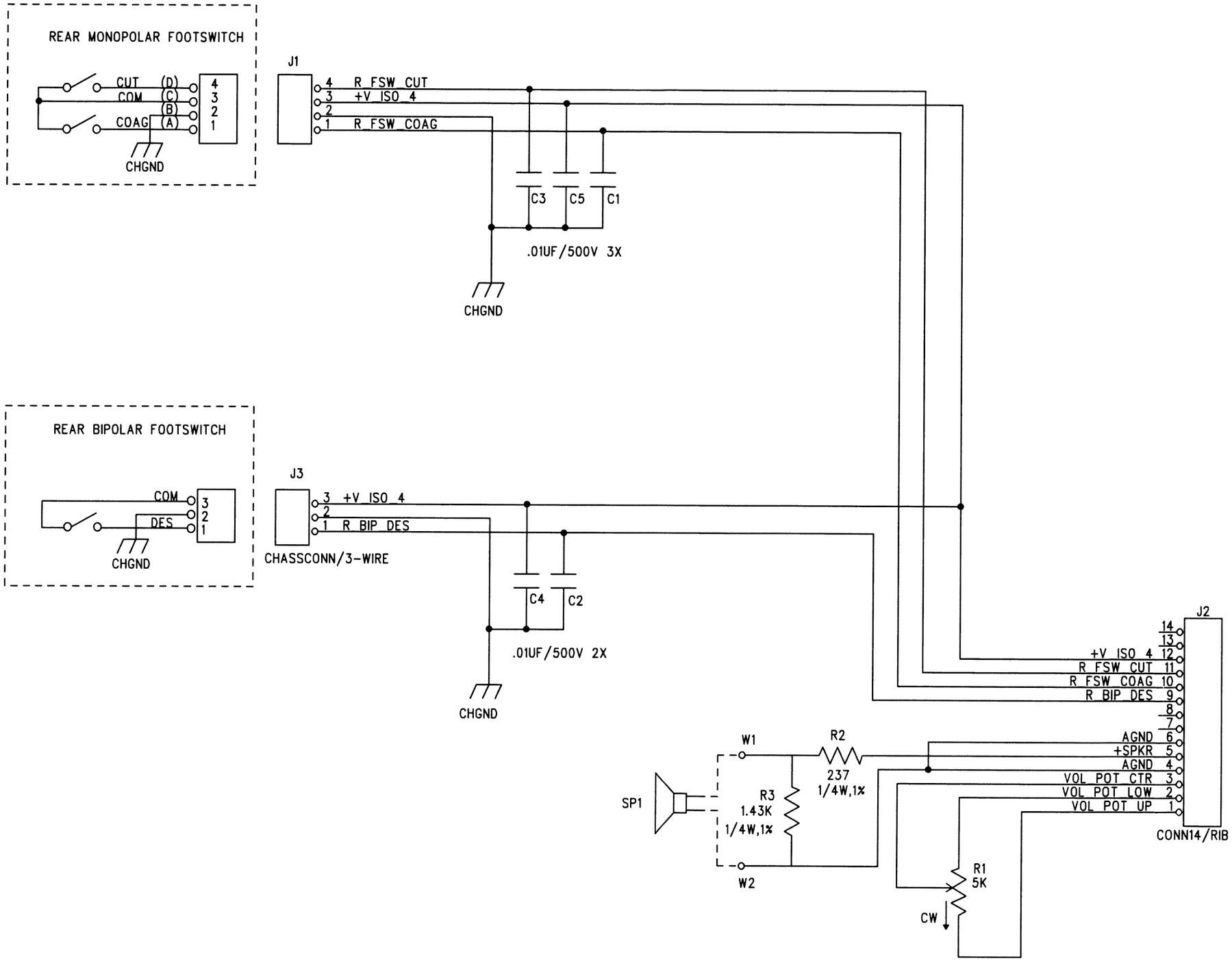


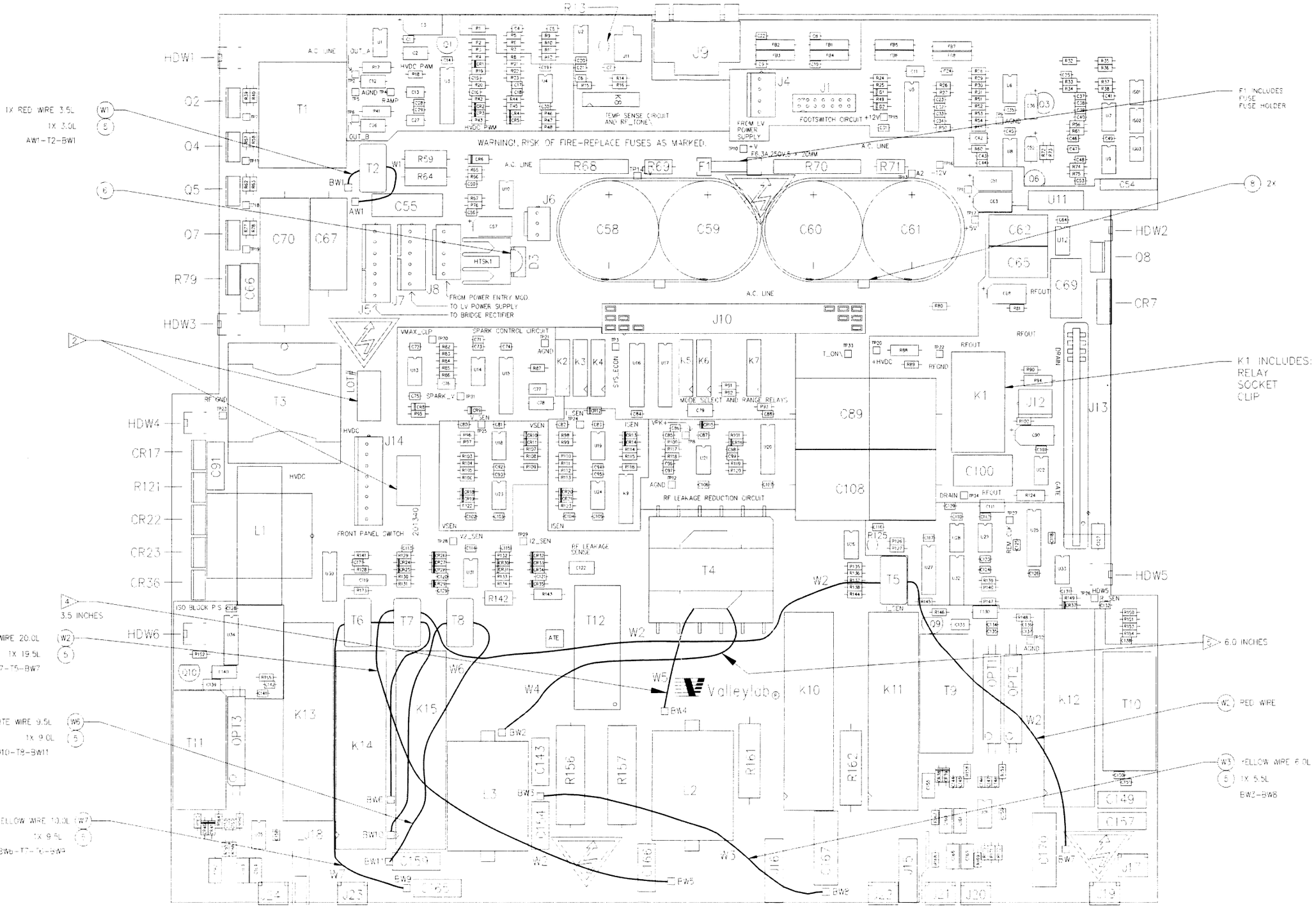

**Display Board Schematic - Sheet 4 of 4**



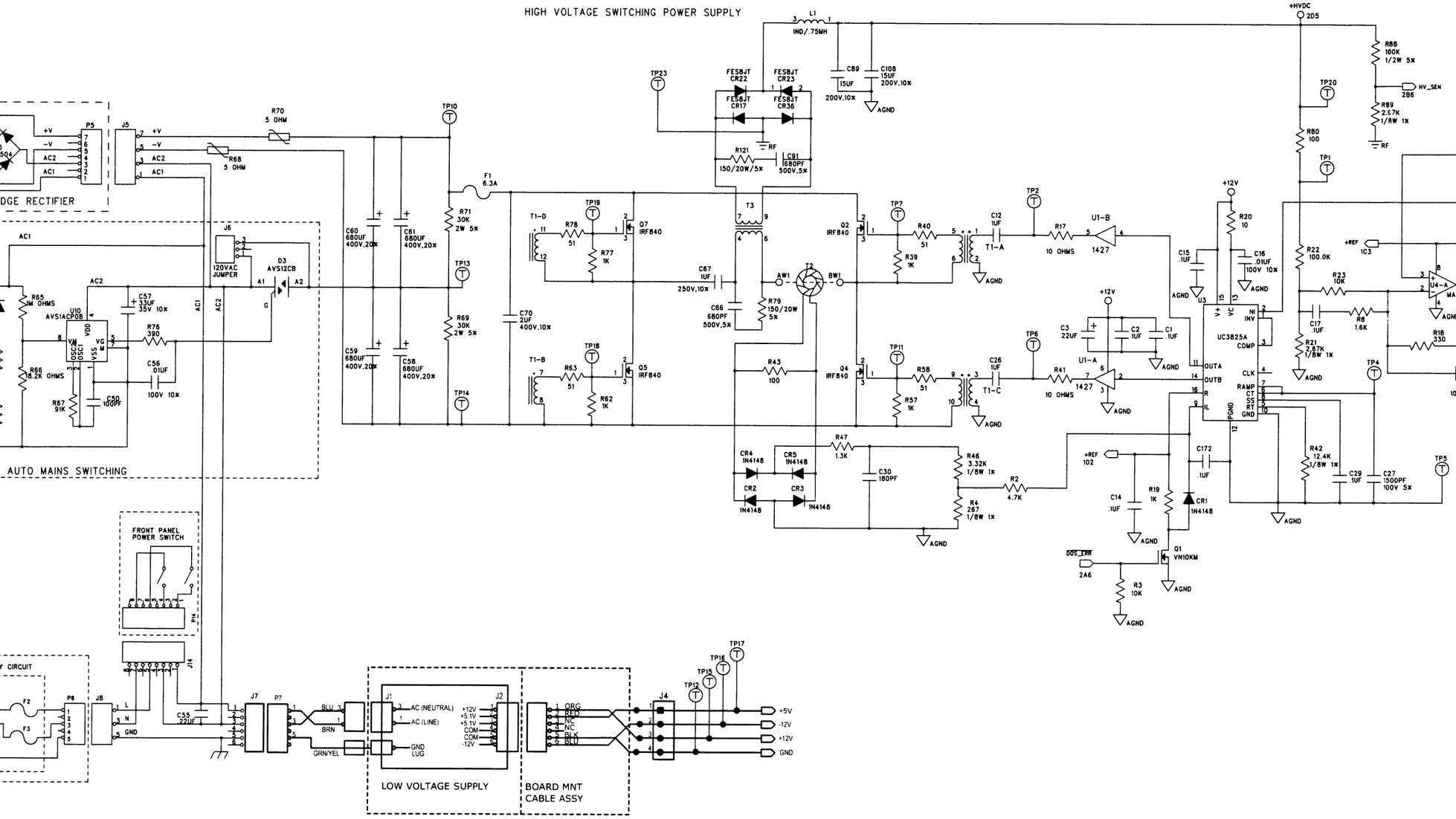

**tch Board Layout**



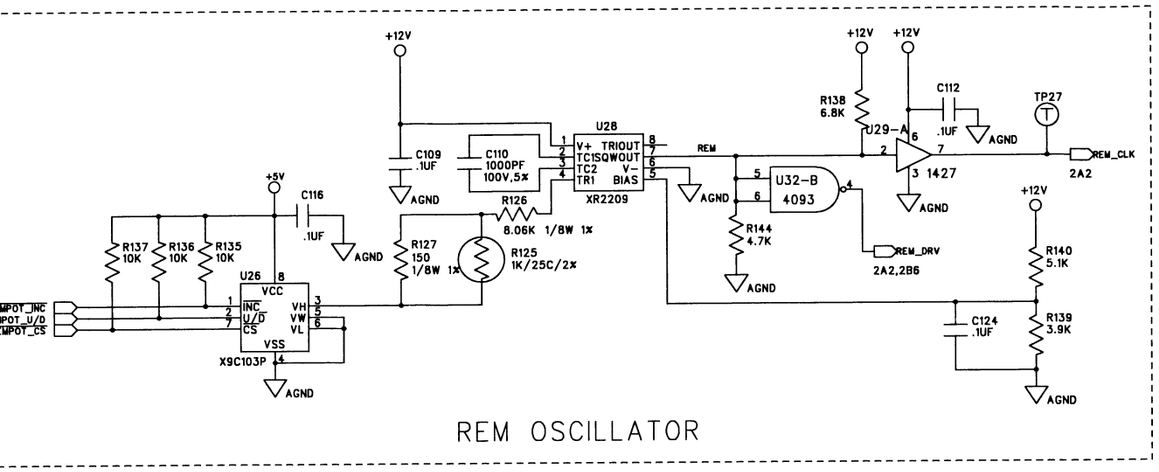

**Footswitch Board Schematic - Sheet 1 of 1**

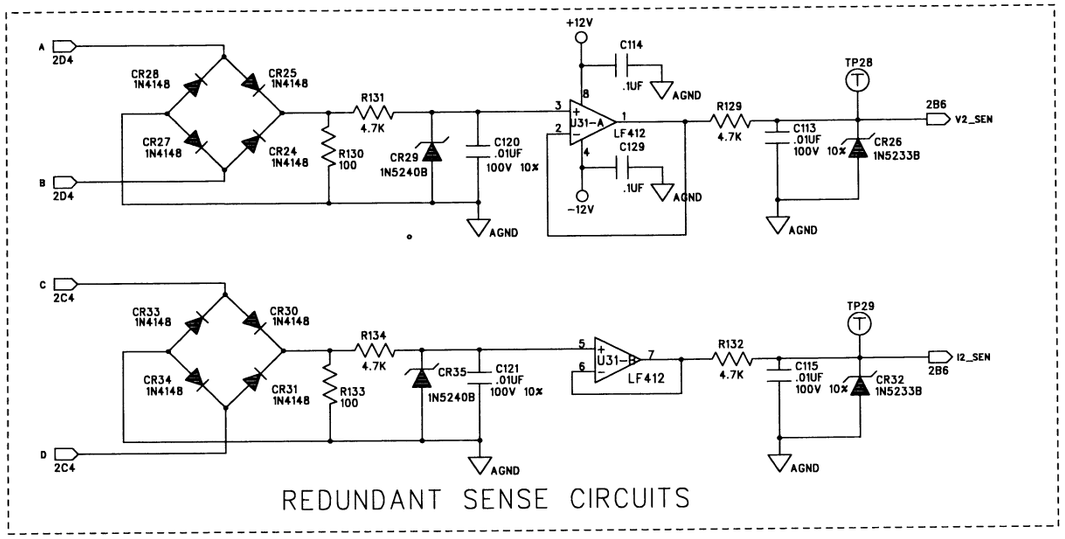


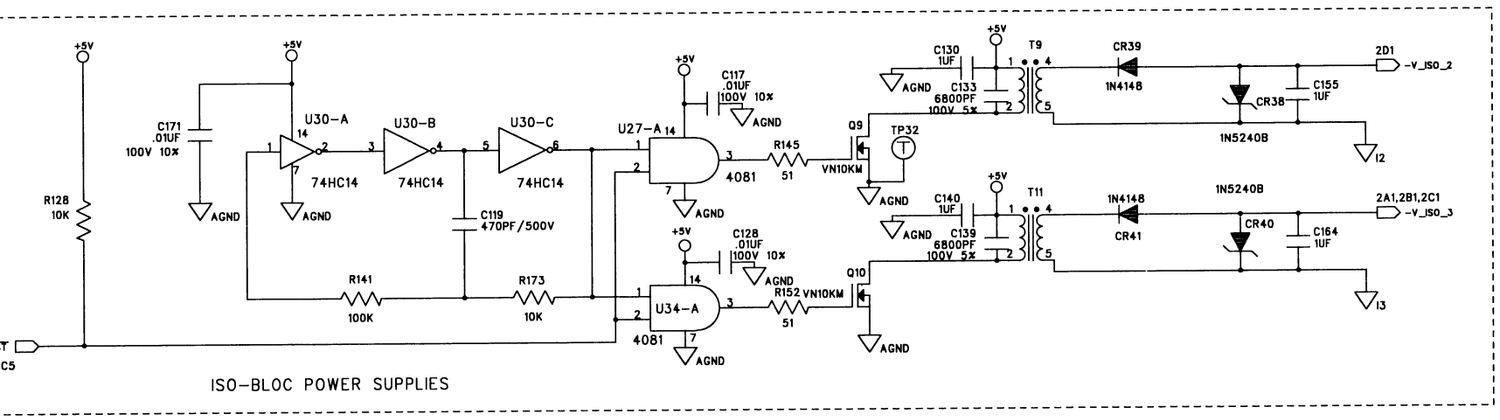

**upply/RF Board Assembly**

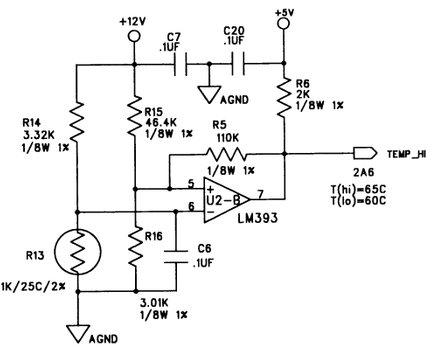



**Power Supply/RF Board Schematic - Sheet 1 of 7**

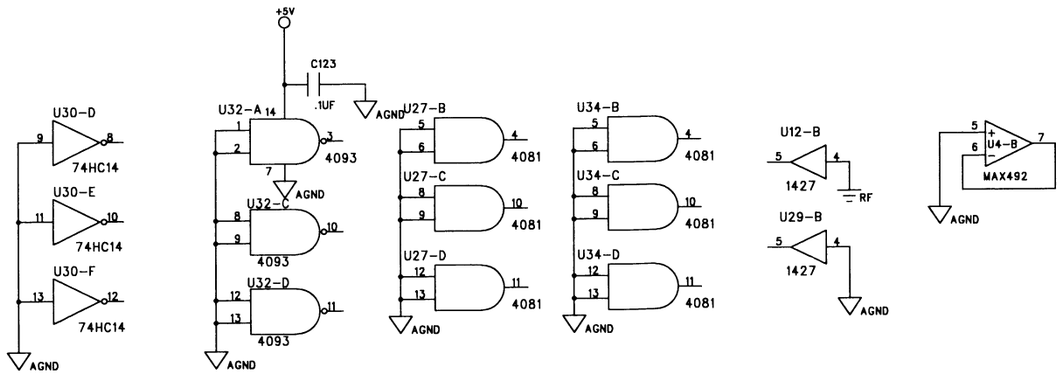


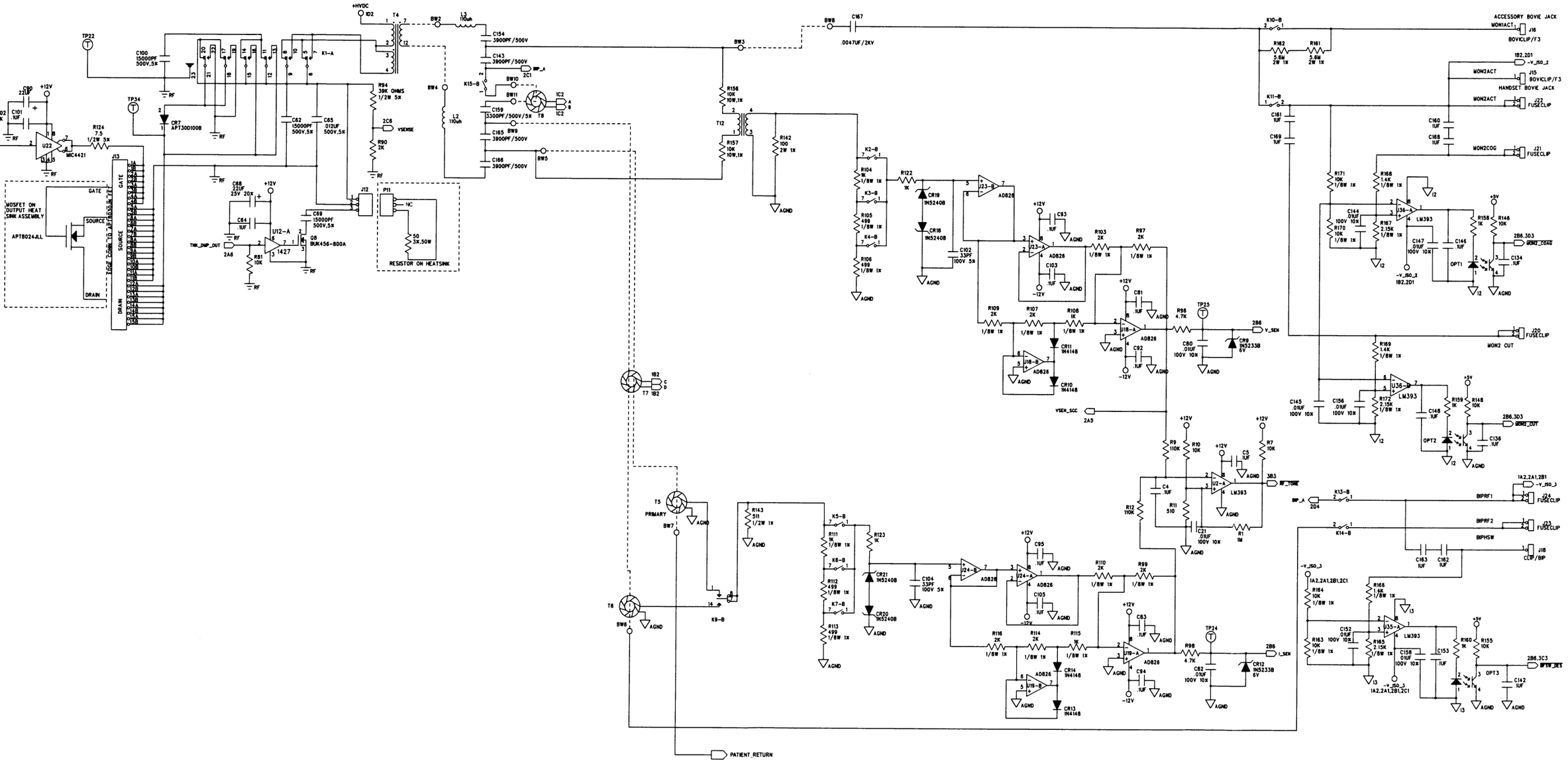



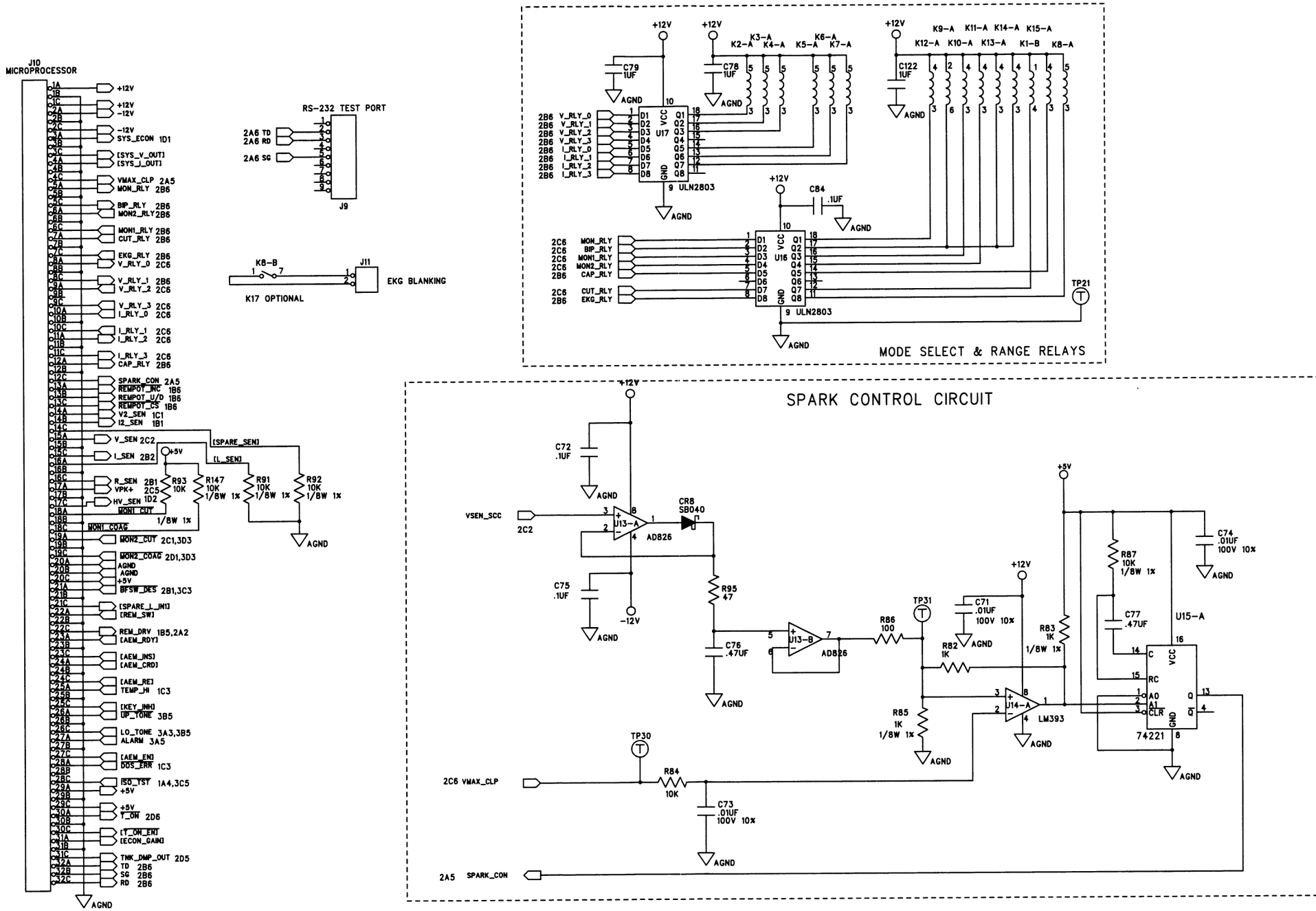

----------NOT USED----------



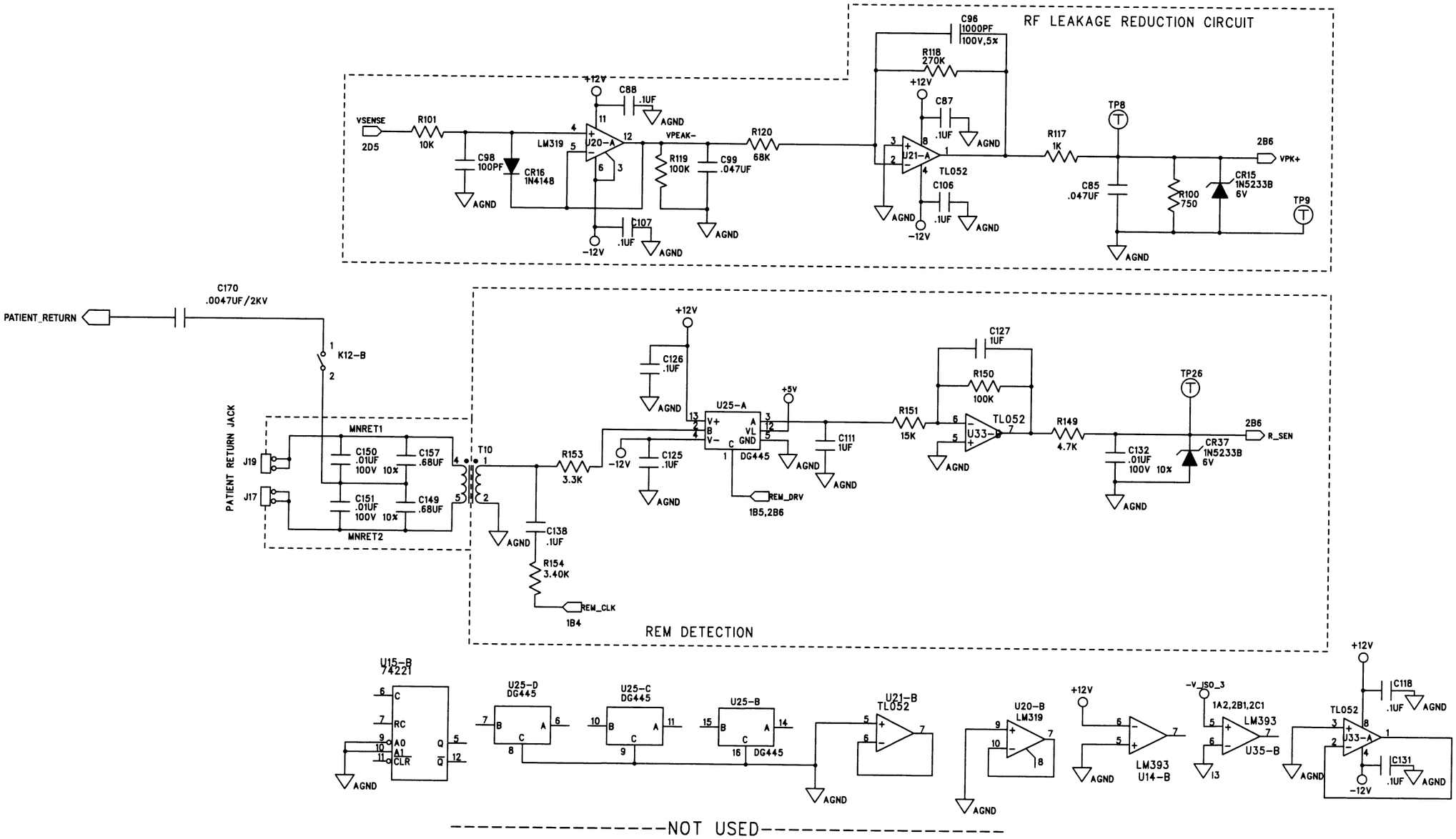

**upply/RF Board Schematic - Sheet 2 of 7**



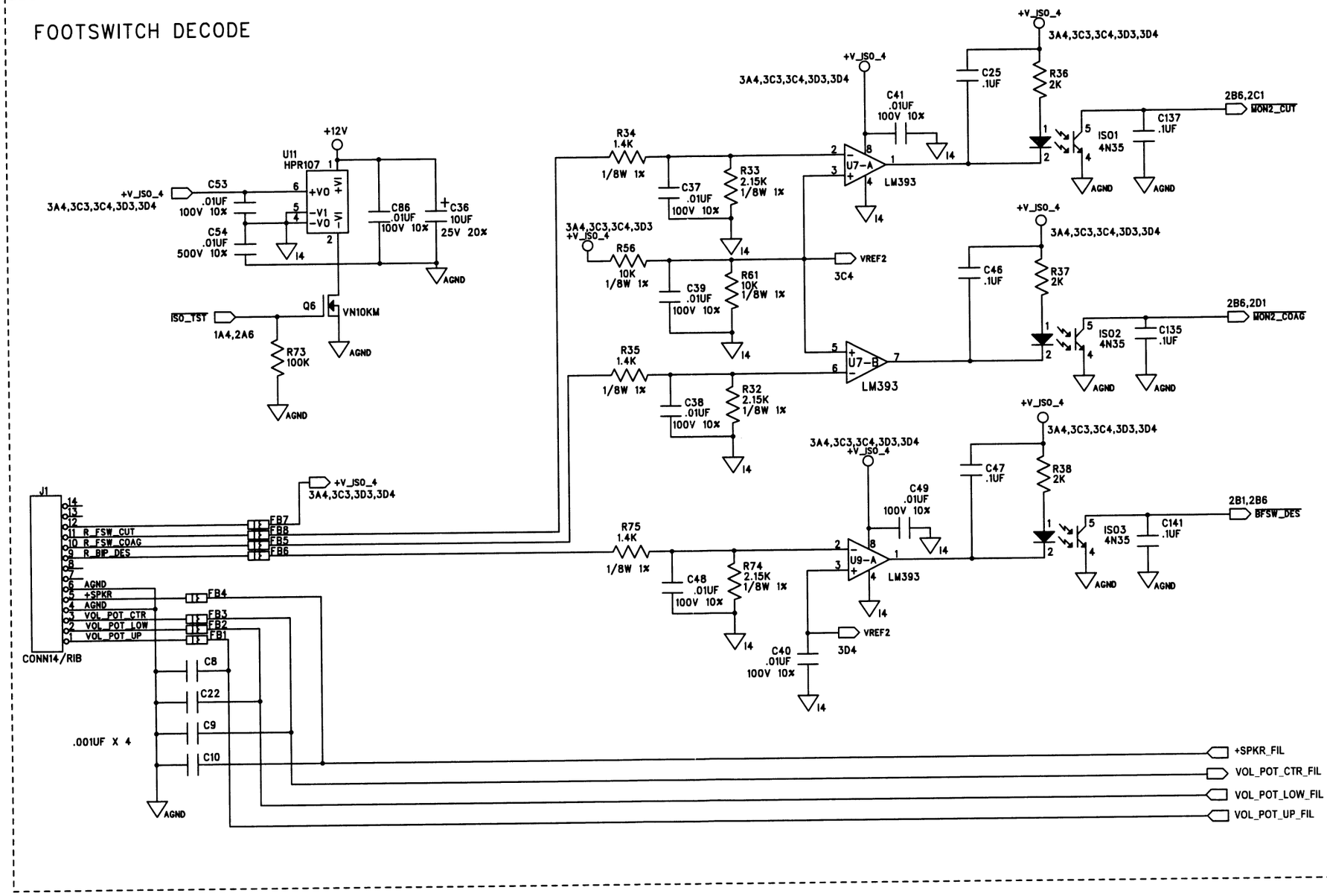

**Power Supply/RF Board Schematic - Sheet 3 of 7**



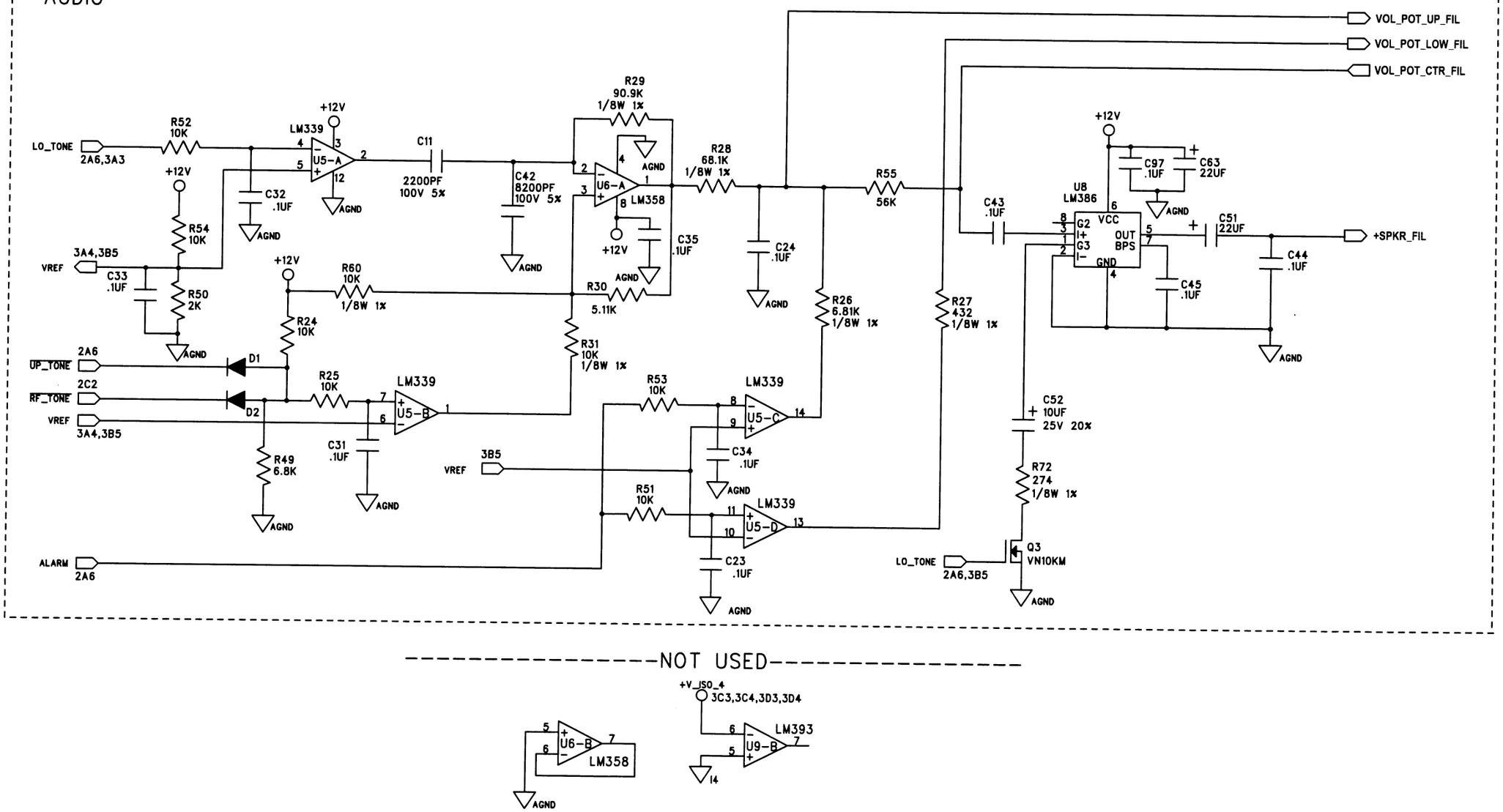

**upply/RF Board Schematic - Sheet 4 of 7**




**Power Supply/RF Board Schematic - Sheet 5 of 7**




**upply/RF Board Schematic - Sheet 6 of 7**




NOT USED




**Power Supply/RF Board Schematic - Sheet 7 of 7**